

**Report Date:** 14 Apr 2014

**Summary Report for Individual Task  
551-88K-4715  
Monitor Operations of Navigational Equipment Onboard a Vessel  
Status: Approved**

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DESTRUCTION NOTICE: None

**Condition:** Assigned as a Small Tug Master, First Mate or Boatswain onboard an Army vessel, given a requirement to monitor and operate various types of navigational instruments, a completed risk assessment, all applicable publications, forms, records, tools, materials, personnel, and equipment, day or night, in all weather conditions and all MOPP levels in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

**Standard:** Monitor the radar, Electronic Charting Display and Information System (ECDIS), Integrated Bridge System (IBS) and the magnetic compass without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Level:** Low

**MOPP:** Sometimes

Task Statements
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**Cue:** Given a requirement to monitor operations of navigational equipment onboard a vessel.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** The purpose of this task is to familiarize the Soldier with the navigational equipment on the vessel. The evaluator must be licensed on the navigational equipment that requires certification in order to operate or familiarize the Soldier on that equipment.

**Performance Steps**

1. Monitor radar operations.
2. Monitor ECDIS operations.
3. Monitor ISB operations.
4. Monitor the operation of the magnetic compass.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly

**Evaluation Preparation:** Ensure that all materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on monitoring operations of navigational equipment onboard a vessel.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Monitored radar operations.			
2. Monitored ECDIS operations.			
3. Monitored ISB operations.			
4. Monitored the operation of the magnetic compass.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	PUB. NO. 9	The American Practical Navigator - Bowditch	Yes	No
	TC 4-15.51	MARINE CREWMAN'S HANDBOOK	Yes	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.

- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
551-880-9134	DIRECT VESSEL OPERATIONS USING PILOTING TEAM	551 - Transportation (Individual)	Approved
551-88K-4740	Identify Basic Components of Radar Sets	551 - Transportation (Individual)	Approved
551-880-8012	COMPUTE TIME, SPEED AND DISTANCE	551 - Transportation (Individual)	Approved
551-88K-4732	Operate Automated Radar Plotting Aid (ARPA) Collision Avoidance System	551 - Transportation (Individual)	Approved
551-88K-4739	Define Basic Radar Principles and Definitions	551 - Transportation (Individual)	Approved
551-880-9093	IDENTIFY BASIC RADAR PRINCIPLES AND DEFINITIONS	551 - Transportation (Individual)	Approved
551-88K-4737	Maintain Radar Maintenance Log	551 - Transportation (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88K-3710	Comply With Aids to Navigation Standards	551 - Transportation (Individual)	Approved
551-88K-3709	Enforce Navigational Rules Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3708	Monitor Navigational Duties Onboard a Vessel	551 - Transportation (Individual)	Approved

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-0044	Recover Disable Vessel with Large Tug.	55 - Transportation (Collective)	Approved
55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved
55-2-0011	Transport Personnel and Cargo	55 - Transportation (Collective)	Approved

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ